6 ACQUIRE/USE INFORMATION PROVIDING SERVER

7 CONTENT PROVIDING SERVER

8 ATTRIBUTE INFORMATION PROVIDING SERVER

5 PORTAL SERVER
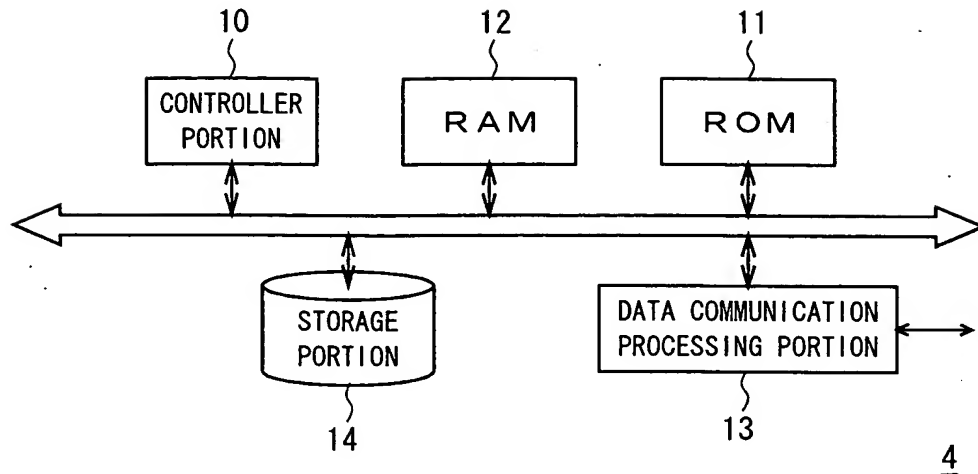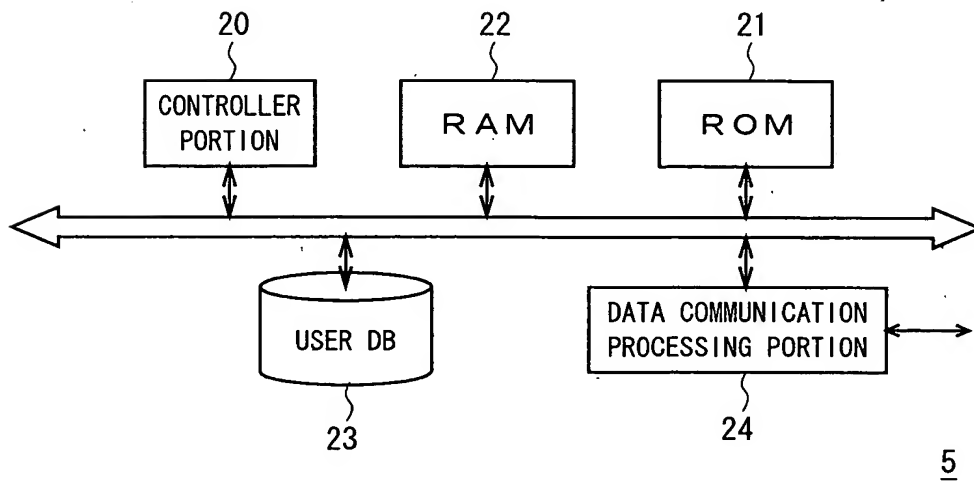
3 NETWORK

4 PROXY SERVER

2 CLIENT TERMINAL

1 DATA DISTRIBUTION SYSTEM

FIG. 1

10   12   11

| CONTROLLER PORTION | RAM | ROM |

STORAGE PORTION

DATA COMMUNICATION PROCESSING PORTION

14   13

4

FIG. 2

20   22   21

| CONTROLLER PORTION | RAM | ROM |

USER DB

DATA COMMUNICATION PROCESSING PORTION

23   24

5

FIG. 3

30   32   31

| CONTROLLER PORTION | | RAM | | ROM |

ACQUIRE/USE INFORMATION DB

DATA COMMUNICATION PROCESSING PORTION

33

34

6

FIG. 4

35 ACQUIRE/USE FILE

| CONTENT ID |
| CONTENT PROVIDING ADDRESS |
| ATTRIBUTE FILE PROVIDING ADDRESS |
| DATA SIZE INFORMATION |

FIG. 5

36 DATA SIZE LIST

CONTENT DATA	DATA SIZE
FILE A	5000 KB
FILE B	3000 KB
FILE C	1500 KB
⋮	⋮
FILE N	4500 KB

FIG. 6

FIG. 7

```
   50              52              51
CONTROLLER       RAM             ROM
  PORTION
```

ATTRIBUTE
FILE DB

DATA COMMUNICATION
PROCESSING PORTION

53

54

8
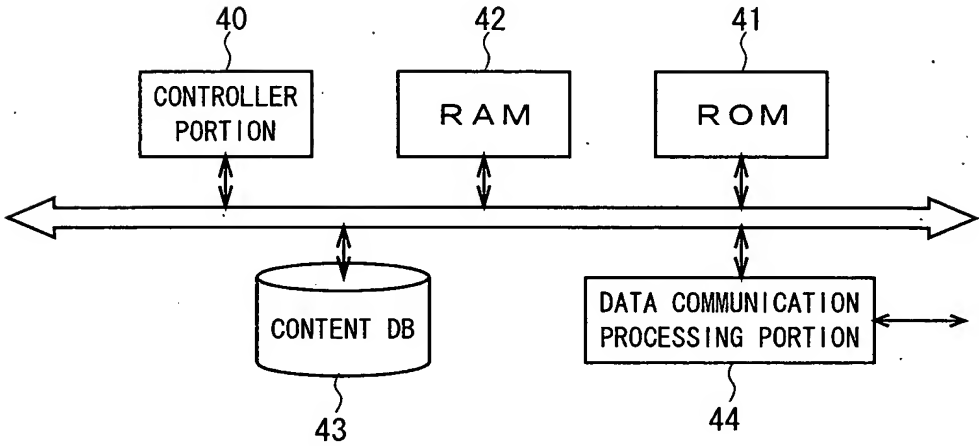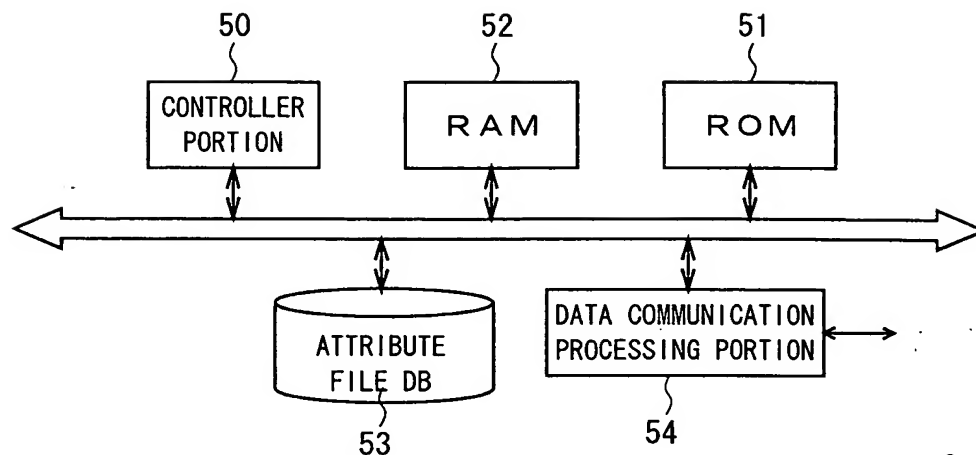
FIG. 8

57 CONTENT ATTRIBUTE FILE

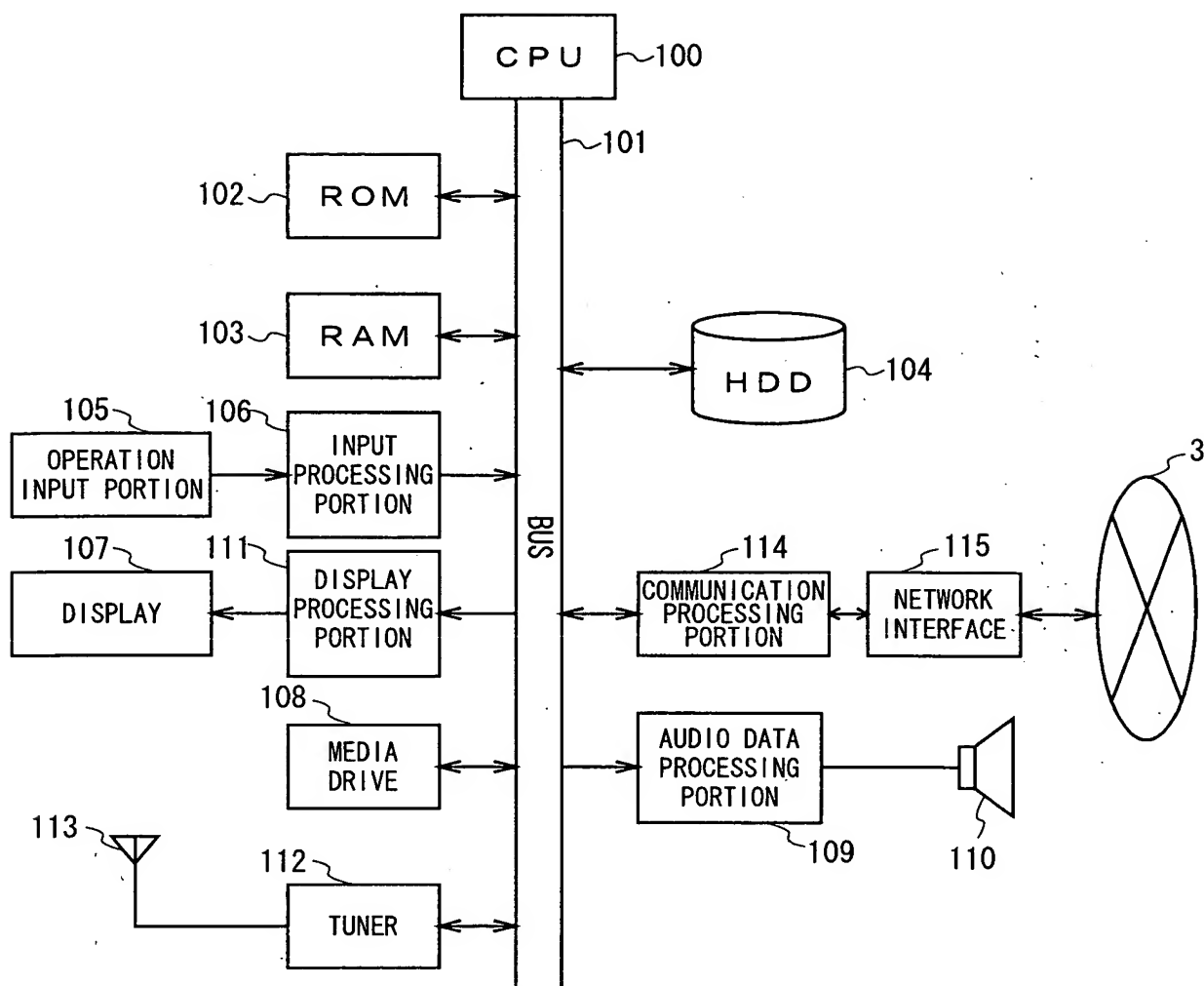| CONTENT KEY |
| --- |
| CODEC IDENTIFIER |
| CODEC ATTRIBUTE |
| PLAYBACK RESTRICTION INFORMATION |
| VALIDITY CHECK FLAG |
| CHECK-OUT LIMIT |
| CODEC DEPENDANT INFORMATION |
| CONTENT ID |
| TIME AND DATE OF START OF PLAYBACK PERMISSION |
| TIME AND DATE OF END OF PLAYBACK PERMISSION |

FIG. 9

CPU ~100

~101

102~ ROM

103~ RAM

HDD ~104

105~ OPERATION INPUT PORTION   106~ INPUT PROCESSING PORTION

107~ DISPLAY   111~ DISPLAY PROCESSING PORTION

BUS

114~ COMMUNICATION PROCESSING PORTION   115~ NETWORK INTERFACE   3

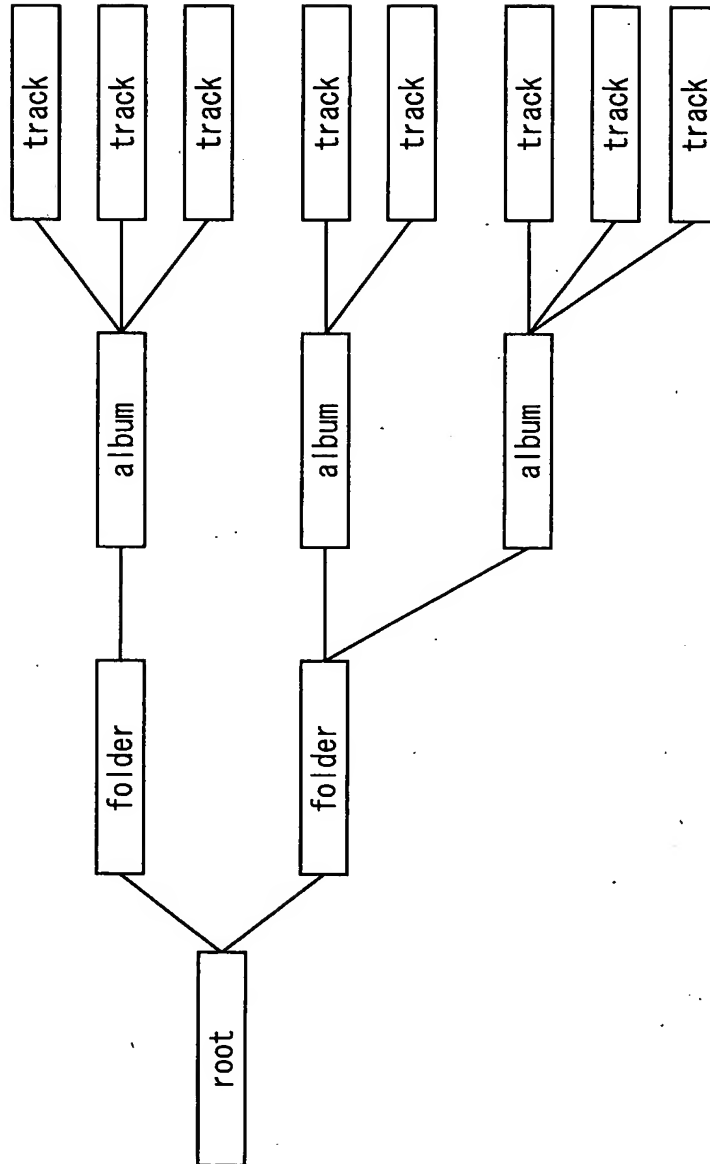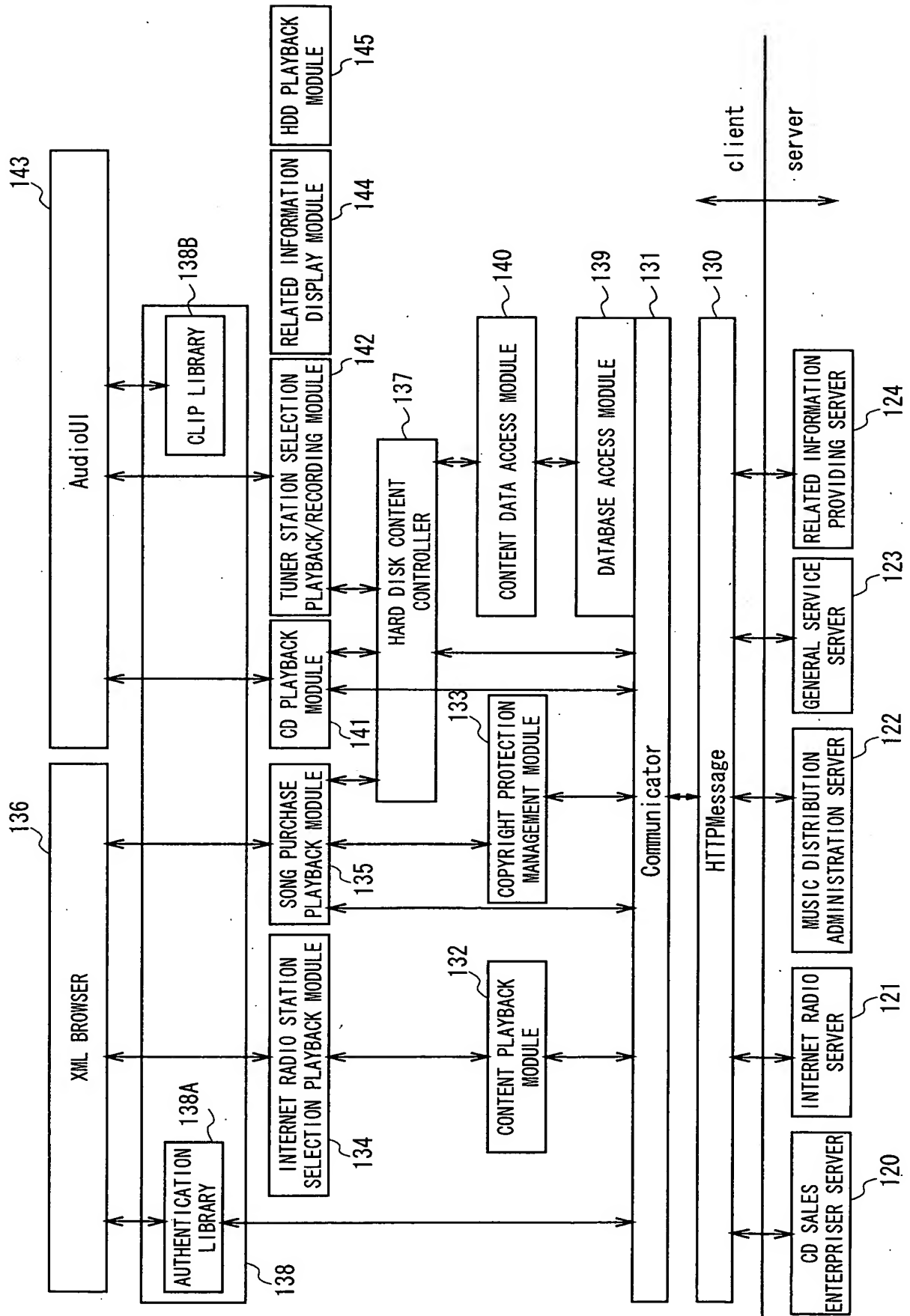108~ MEDIA DRIVE   AUDIO DATA PROCESSING PORTION ~109   110

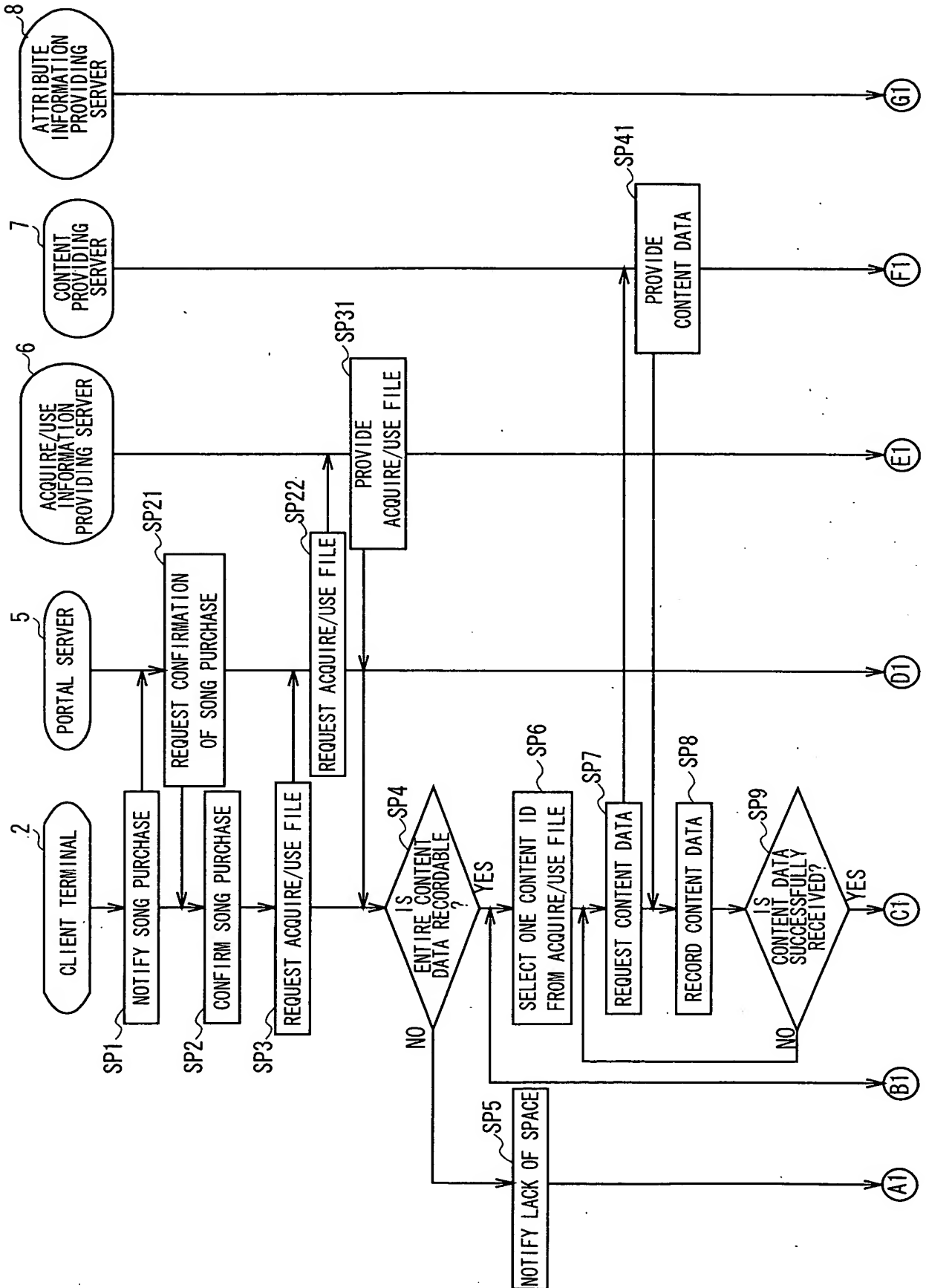113~   112~ TUNER

FIG. 10
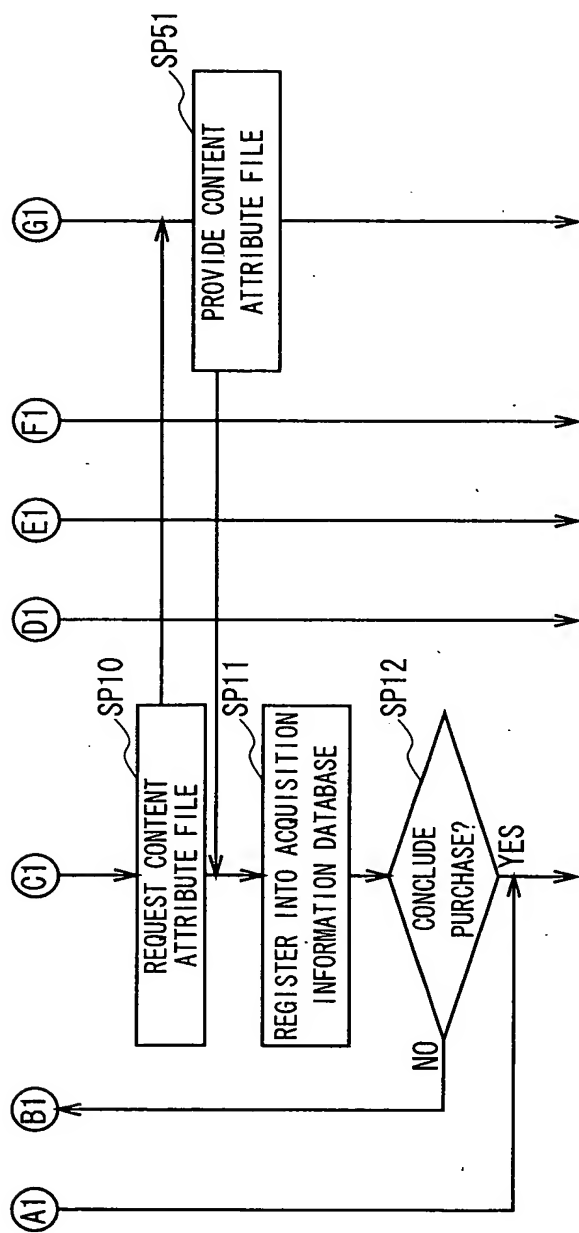
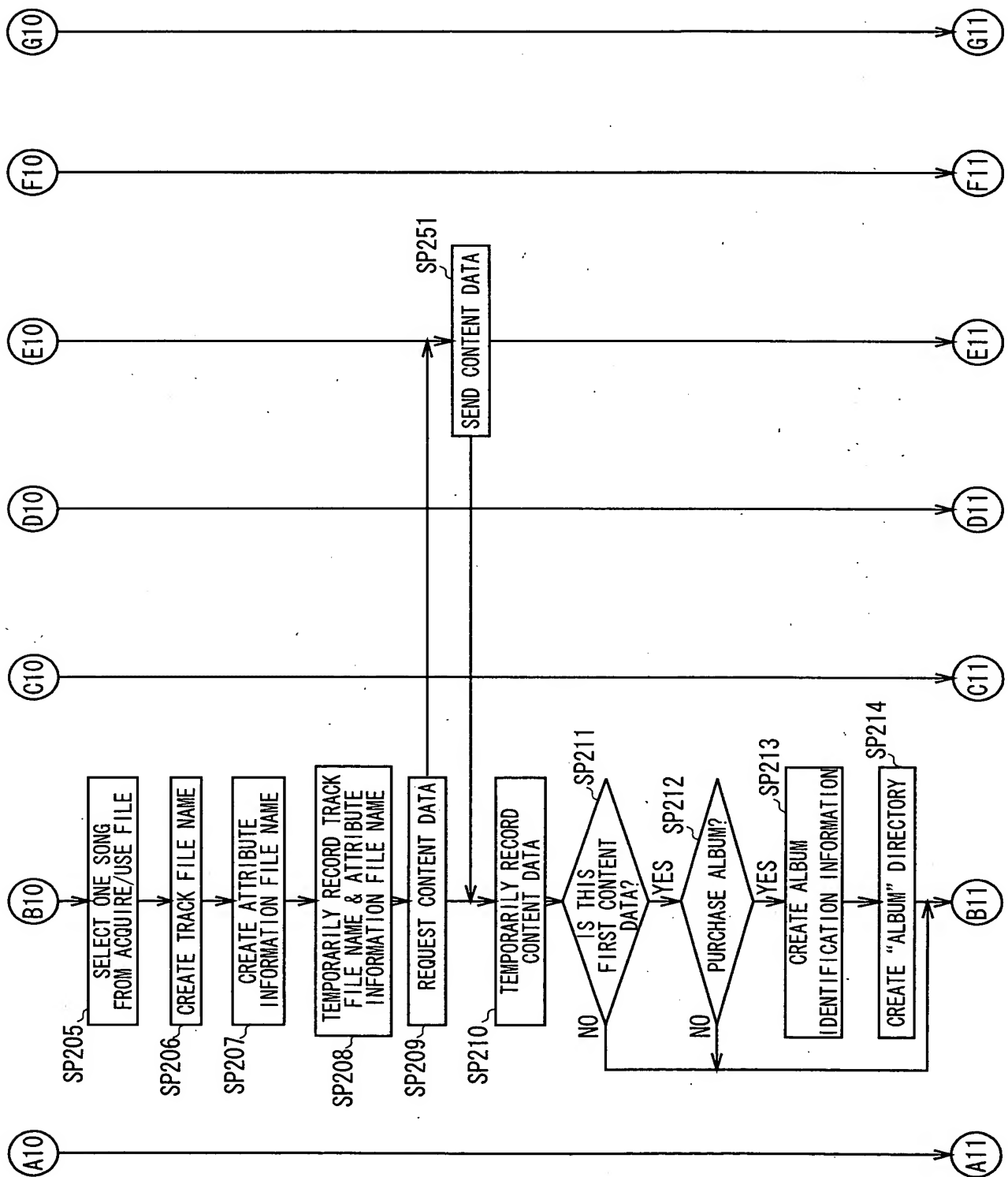6/15

FIG. 11

FIG. 12

FIG. 13
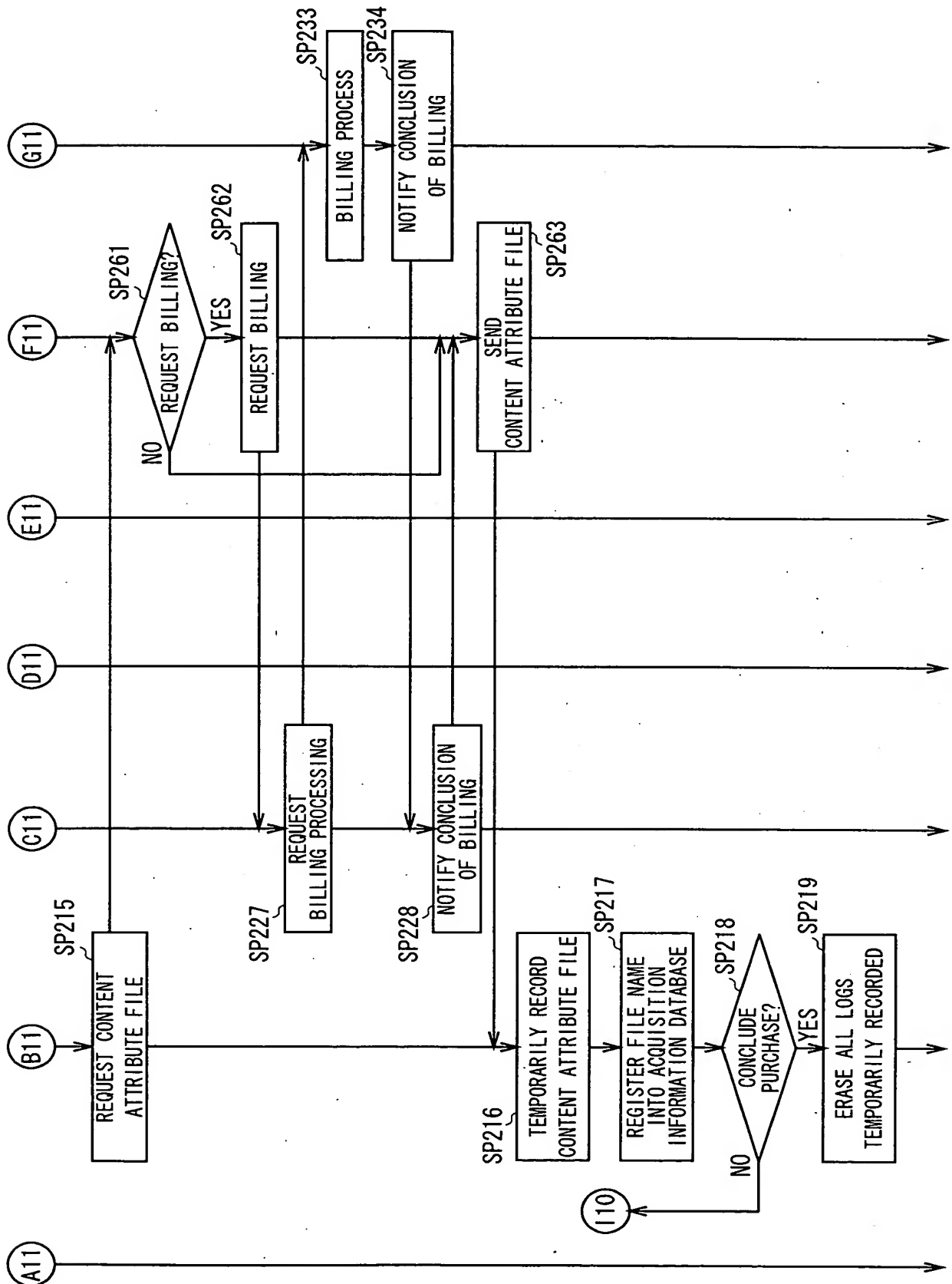
FIG. 14

FIG. 15

FIG. 16

FIG. 17

315 ACQUIRE/USE FILE

CONTENT PROVIDING ADDRESS
ATTRIBUTE FILE PROVIDING ADDRESS

FIG. 18

FIRST LOG	BILLING STATUS NOTIFICATION REQUEST INFORMATION	PURCHASE IDENTIFICATION INFORMATION RETRY ADDRESS POST DATA REQUEST CODE
SECOND LOG	TRACK FILE NAME ATTRIBUTE INFORMATION FILE NAME	
THIRD LOG	ALBUM IDENTIFICATION INFORMATION	

FIG. 19

EXPLANATION OF REFERENCE NUMERALS

1...DATA DISTRIBUTION SYSTEM, 2...CLIENT TERMINAL, 3...NETWORK,
4...PROXY SERVER, 5...PORTAL SERVER, 6...ACQUIRE/USE INFORMATION
PROVIDING SERVER, 7...CONTENT PROVIDING SERVER, 30...CONTROLLER PORTION,
34...DATA COMMUNICATION PROCESSING PORTION, 35...ACQUIRE/USE FILE,
36...DATA SIZE LIST, 100...CPU, 102...ROM, 104...HARD DISK DRIVE,
107...DISPLAY, 111...DISPLAY PROCESSING PORTION, 114...COMMUNICATION
PROCESSING PORTION, 115...NETWORK INTERFACE, 130...HTTP MESSAGE PROGRAM,
131...COMMUNICATOR PROGRAM, 113...COPYRIGHT PROTECTION MANAGEMENT MODULE,
135...SONG PURCHASE PLAYBACK MODULE, 136...XML BROWSER, 137...HARD DISK
CONTENT CONTROLLER, 138A...AUTHENTICATION LIBRARY, 139...DATABASE ACCESS
MODULE, 140...CONTENT DATA ACCESS MODULE